BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Detailed Estimate for the Work Construction of Compound Wall, Indira Canteen Building and Beautification work at Hegadenagara in Ward no. 06

							Estimate Cost Rs.	1500000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRRB 200 Cutting of trees KSRRB 200-1, Cutting of trees girth from 300mm to 600mm including cutting of trunks, branches and removal of stumps stacking of serviceable materials earth filling in the depressions / pit, labour charges complete as per specification . MORTH specification clause 201/chapter 2 NO.No. 136/ Item No. 18.1/ PWD SR 2016-17	Sqm							
			1	17.00	16.00		272.00		
			1	30.00	4.00		120.00		
							392.00	**204.12**	**80015.00**
	Basic Rate	189.00							
	Area Weightage @ 8%	15.12							
	Total	**204.12**							
	Dismantling burnt brick masonry in clay mortar / lime mortar / cement mortar and stacking the bricks within a radius of 50 m and removing the debris to a distance upto 200m, No. 268/ Item No. 37.47 PWD SR 2016-	Cum							
	Compound Walls		1	17.00	0.23	3.00	**11.73**		
			1	16.00	0.23	0.30	**1.10**		
							12.83	168.48	**2162.00**
	Basic Rate	156.00							
	Area Weightage @ 8%	12.48							
	Total	**168.48**							
	Dismantling size stone masonry in clay mortar and stacking the size stone within a radius of 50 m and removing the debris to a distance upto 200m, No. 268/ Item No. 37.48 PWD SR 2016-17	Cum							
	Compound Walls		1	17.00	0.50	0.90	**7.65**		
			1	16.00	0.50	0.90	**7.20**		
							14.85	185.76	**2759.00**
	Basic Rate	172.00							
	Area Weightage @ 8%	13.76							
	Total	**185.76**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2-1.1: Earth work in surface excavation in ordinary soil for leveling any lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe line and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, Specification No KBS 2.1(a) / 2.3.1,P. No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
For Site Formation		1	17.00	16.00	0.30	81.60		
						81.60	169.56	**13836.00**
Basic Rate	157.00							
Area Weightage @ 8%	12.56							
Total	**169.56**							
Lead for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km (Page No.123,	Cum							
		Qty. Vide Item No. 3+4				**179.55**		
						179.55	73.36	**13172.00**
Basic Rate Lead Charges Upto 2.00	5.36							
PWD SR 2016-17 (P.118/I.17.1) For loading and unloading	68.00							
Total	**73.36**							
KSRRB M300-53 : Construction of embankment with approved material Gravel/Murrum with all lifts and leads, trasnporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications (which includes cost of gravel / murrum, watering charges & compaction by vibratory roller) MORTH Specification No. 305. **(Page No. 144 & Item No. 19.60) PWD SR 2016-17**								
		1	17.00	16.00	0.45	122.40		
						122.40	**220.32**	**26967.00**
Basic Rate	204.00							
Area Weightage @ 8%	16.32							
Total	**220.32**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Earthwork excavation for foundation of buildings, water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 5, I.NO - 2.3, PWD SR 16-17)	Cum							
For Compound Wall		1	70.00	0.90	0.90	56.70		
Soak Pit		1	3.14X2.40X2.40		3.00	13.56		
			4					
						70.26	204.12	**14342.00**
Basic Rate	189.00							
Area Weightage @ 8%	15.12							
Total	**204.12**							
KSRB-4-1.3 : Providing and laying in position **plain cement concrete of mix M 7.5** withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	cum							
For Compound Wall		1	70.00	0.90	0.15	**9.45**		
Ceramic tiles Bottom		1	13.00	2.50	0.15	**4.88**		
		1	13.00	1.20	0.15	**2.34**		
		1	13.00	1.00	0.15	**1.95**		
		1	15.00	4.00	0.15	**9.00**		
						27.62	5256.36	**145154.00**
Basic Rate	4867.00							
Area Weightage @ 8%	389.36							
Total	**5256.36**							
KSRB 5.2-2 Providing and constructing granite / trap / basalt rubble **stone masonry in foundation** with mud mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 **Page**	cum							
Compound		1	70.00	0.75+0.60	0.70	33.08		
				2				
						33.08	4359.96	**144206.00**
Basic Rate	4037.00							
Area Weightage @ 8%	322.96							
Total	**4359.96**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 5.3-3 Providing and constructing granite / trap / basalt **size stone masonry in basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 26/ Item No. 5.9/ PWD SR 2016-17**	cum							
Compound		1	70.00	0.50	0.60	**21.00**		
						21.00	5405.40	**113513.00**
Basic Rate	5005.00							
Area Weightage @ 8%	400.40							
Total	**5405.40**							
KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2015-16	**cum**							
For Compound Wall		1	70.00	0.50	0.15	5.25		
For Compound Wall Top		1	70.00	0.20	0.10	1.40		
						6.65	5491.80	**36520.00**
Basic Rate	5085.00							
Area Weightage @ 8%	406.80							
Total	**5491.80**							
Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 119/ Item No. 15.1 PWD SR 2016-17**	sqm							
Compound		1	70.00	0.60		**42.00**		
						42.00	104.76	**4400.00**
Basic Rate	97.00							
Area Weightage @ 8%	7.76							
Total	**104.76**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. (P.NO - 6, I.NO - 2.11, PWD SR 16-17)	Cum							
			Qty. Vide Item No.			**70.26**	137.16	**9638.00**
Basic Rate	127.00							
Area Weightage @ 8%	10.16							
Total	**137.16**							
KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 24/ Item No. 5.27/ PWD SR 2016-17	Sqm							
For Compound Wall		1	70.00		1.60	112.00	1011.96	**113340.00**
Basic Rate	937.00							
Area Weightage @ 8%	74.96							
Total	**1011.96**							
KSRB 15.3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Page No. 110/ Item No. 15.18 / PWD SR 2016-17	**Sqm**							
		2	70.00		1.60	**224.00**	238.68	**53464.00**
Basic Rate	221.00							
Area Weightage @ 8%	17.68							
Total	**238.68**							
SKSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. Page No. 114/ Item No. 15.53.2 / PWD SR 2016-17	Sqm							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Out side			Qty Vide Item No.19			224.00		
						224.00	90.72	**20321.00**
Basic Rate	84.00							
Area Weightage @ 8%	6.72							
Total	**90.72**							
Providing and fixing M.S Gate as per Cheaf Architect Drawing using 50mmX50mm 14 guage M.S hollow pipe frame work bent to ornamental shape as shape as shown in the drawing and 35mmX6mm and 16X16mm squre roads for verticals alternatively spaced at 4cms c/c in two halves and 40mmX6mm M.S flats for horizontal member and at at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, with lead and lift loading and lunloading charges. etc., complete as per specification and drawing Page No.47/ I No. 7.37/ PWD SR 2016-17	**Sqm**							
For Gate		1	15.00	2.25		33.75	3168.72	**106944.00**
Basic Rate	2934.00							
Area Weightage @ 8%	234.72							
Total	**3168.72**							
Providing and fixing M.S Gril over existing compound wall as per chief Architect drawing No. 12686, Using 16mm X16mm M.S Sqquare rod at 150mm c/c spacing and 50mmX40mm M.S foats at horizontal and 6mm X12mm M.S flote for ornamental design and providing shop edge design at the vertex of every vertical roads, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete the work includes cost of all materials, labour charges for all item of work, hire charges of welding, cutting and grainding equipment, and electricity charges, etc., complete as per specification and drawing Page No.42 / I No. 7.26/ PWD SR 2016-17	**Sqm**							
For Compound Wall Surrounding		1	70.00	0.75		52.50		
						52.50	5641.92	**296201.00**
Basic Rate	5224.00							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Area Weightage @ 8%	417.92							
Total	**5641.92**							
...ing and fixing Ceramic tiles of ... 400x400mm for flooring, ...eads,steps and landing,laid on a ...of 20mm thick cement morta. 1:3 ...flush pointing with white cement ...ed with matching colour pigment ...uding curing, clearing etc. ...plete .The Worked including ...g., clearing etc., complete, The ...k includes cost of all materials. ...our charges for all items or work, ...charges for equipment, etc., ...plete as per specification. Page ...116/ Item No. 14.63 / PWD SR ...6-17								
...amic tiles Bottom		1	13.00	2.50		32.50		
		1	13.00	1.20		15.60		
		1	13.00	1.00		13.00		
		1	15.00	4.00		60.00		
						121.10	1161.00	**140597.00**
Basic Rate	1075.00							
Area Weightage @ 8%	86.00							
Total	**1161.00**							
...RB 8.6-5: Providing and fixing in ...surface 2.5 kg/sq.cm H.D.P.E. ...down water pipes 90 mm outer ...approved make and brand with ...essary specials like shoes bends ...offsets fixed with iron clamps, ...s plugs, screws, including cost of ...erials, labour,Curing complete as ...specifications. Page No. 52/ Item	M							
		1	28.00			28.00	429.84	**12036.00**
Basic Rate	398.00							
Area Weightage @ 8%	31.84							
Total	**429.84**							
						Grand Total		**1349587.00**
...10% KRIDL Charges								**134959.00**
...1% Labour Cess								**13496.00**
...ccesallaneous Charges	L/S							**1958.00**
							Total	**1500000.00**

TECHNICAL SANCTION
Accorded For Rs. Fifteen lakhs only
Head of A/c. P-3106.
Div. Ref. No. 64/18-19 Date. 15/10/18
AE 15/10
EE(BTP) 15/10

...RTIFICATE
...e work spot has been inspected and the work is found necessary.
...e estimate is prepared as per PWD SR of 2016-17
...e works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division

Administrative Approval
Accorded For Rs 15 lakhs only
Head of A/C P 3106
CER NO AE/51/18-19 **Dt:** 15.10.18

TA CE (YNK)